

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	225	(289/14,15).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/31 15:34
L5	523	(289/17).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/31 15:35
L6	348	(289/17).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/31 15:44
L7	3534	"139".clas. and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/31 15:45
L8	8	"139".clas. and groove with string	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/31 15:48
L9	74	"139".clas. and grooves! with thread	US-PGPUB; USPAT; DERWENT	OR	ON	2005/03/31 15:49

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Document ID	Kind	Code	Source	Issue Date	Pages	Image
1 US 3561496 A			USPAT	19710209	6	US 3561
2 US 3590879 A			USPAT	19710706	7	US 3590
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US-PAT-NO: 4160467

DOCUMENT-IDENTIFIER: US 4160467 A

TITLE: Hand loom having rotary heddle assembly

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## Detailed Description Text - DBTX (2):

With reference to the drawings, FIG. 1 depicts a hand loom 20 constructed in accordance with the present invention. The loom 20 includes a rectangular front side frame 22, a geometrically identical back side frame 24, and four transverse members 26, 28, 30 and 32 which interconnect the corners of the frames 22 and 24. A single thread 34 is coiled helically around the loom between, and in longitudinal alignment with, the front side 22 and the back side 24 to provide warp for the loom 20. In FIG. 1 only four coils of the warp 34 are shown, whereas in FIG. 2, the depth of the loom 20 is covered by coils of the warp thread 34. The relative positional alignment of each coil of the thread 34 is established and maintained by positioning shims 36 present in the upper transverse members 26 and 28. A small section of woven fabric 35 is also depicted in FIG. 1. As the hand weaving progresses, the warp is periodically rotated as a belt counterclockwise around the frame of the loom 20.

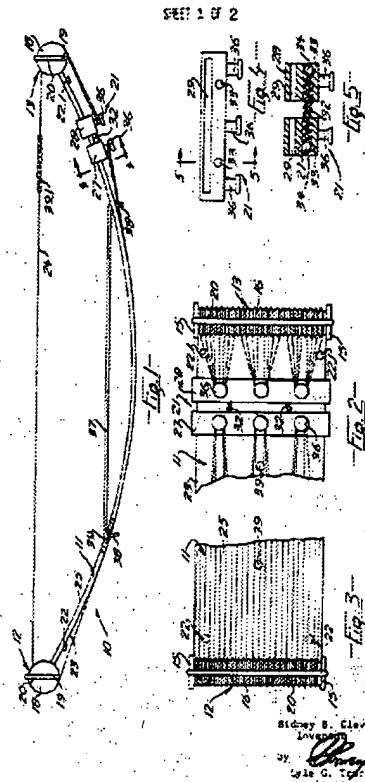
## Current US Class - CLAS (1):

139



PATENTED 4/23 '83

3,724,041



US-PAT-NO: 3724041  
 DOCUMENT-IDENTIFIER: US 3724041 A  
 TITLE: PORTABLE LOOM

## ----- KWIC -----

## Detailed Description Text - DETX (3):

FIGS. 1 through 5 show one embodiment of a loom of the invention, generally 10. As seen in FIGS. 1, 2, and 3, the loom has a base 11 which is formed of a normally straight flat strip of springy material which can be made of a metal for example, spring steel or a suitable thermoplastic, for example nylon, thickness of the base being such that it can be bent longitudinally into a bow as shown in FIG. 1. Warp thread guides 12 and 13 are located at opposite ends of the base. The warp thread guides are cylindrical having circular end flanges, severally 15, and spaced circumferentially extending ~~grooves~~ 16, center-to-center spacing of the ~~grooves~~ corresponding to desired spacing of warp threads.

## Detailed Description Text - DETX (12):

When it is desired to collapse the loom the spring clips 20 are fitted to the flanges 15 and pressed down against the warp. The warp is then removed from the projections on one of the pieces 27 or 28 to permit the base to return to a straightened condition. The clips, which frictionally engage the warp threads, maintain the thread in the guide ~~grooves~~ and also maintain the warp threads under slight tension. The loom, in its straightened condition can fit easily in a handbag of suitable size or stored in a drawer or the like.

Current US Class - CLAS (1):

159